ABLELink®

GW51C-MAXI Serial Server

Quick Start Guide

Version 1.3

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TEL: 886-3-5508137

FAX: 886-3-5508131

http://www.atop.com.tw

This document is intended to provide customers with brief descriptions on the product and to assist customers to get started. For detail information and operations of the product, please refer to the user's manual in the product CD.

1. Packaging

- Atop Wireless Serial Server x 1
- 5 pins Terminal Block for Serial Connector x 1
- 3 pins Terminal Block for Power Connector x 1
- Mini DIN to DB-9 Cable x 1
- Wall mount kits x 2
- Atop Wireless Serial Server quick start guide x 1
- Product CD containing configuration utility x 1
- Product Warranty card x 1

Optional Accessories：

- Power Adapter with Terminal block output 12V1.25A

(1) US315-12 (US) Switching adapter

(2) US315-12 (EU) Switching adapter

UL Notice for Power supplier

All the series of GW products are intended to be supplied by a Listed Power Unit marked with "LPS", "Limited Power Source" or "Class 2" and output rate 9~30VDC, 0.3A minimum. Or, use the recommended power supply in "Optional Accessories".

2. Hardware Description

2.1. Interfaces

Fig.1 shows the interfaces of Serial Server's Connectors、LEDs & the factory switch settings.

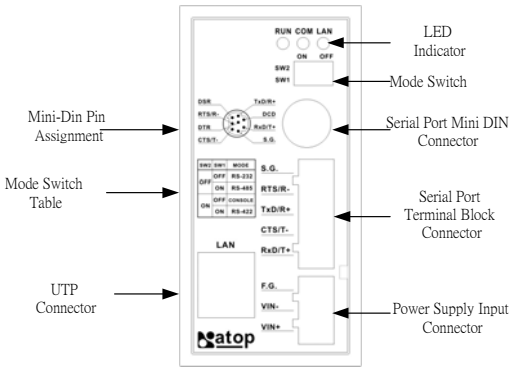


Fig 1. Front Plate of GW51C-MAXI Serial Server

Note: One can press the reset button for 3 second to reset the settings to default value

2.2. LED Indications

2.2.1. LAN LED Message

Message	Description
LED Off	No data is transmitting on Ethernet
LED blinking	Data is transmitting on Ethernet

2.2.2. COM Port LED Message

Message	Description
LED off	No data is transmitting on COM port
LED on blinking state	Data is transmitting on COM port

2.2.3. RUN LED Message

Message	Description

LED on	Jumper JP1 pin1 and pin2 are short to disable AP firmware in the flash memory.
LED blinking (rate: 0.5Sec)	AP firmware is running

3. Installation Procedures

MODE Switch

This sets or initializes operating mode for the Serial Server. The factory default setting is that Switch 1 (SW1) and Switch 2 (SW2) are set to OFF. One can use the Mode switch to change the operating mode from the factory default settings to ones desired mode.GW51C-MAXI Serial Server can be setup either RS-232, RS-485, RS-422 or Console configuration mode by MODE Switch.

SW1	SW2	Mode
OFF	OFF	RS-232
	ON	CONSOLE
ON	OFF	RS-485
	ON	RS-422

Table 1.MODE Switch Combinations

- Plug in Serial Server to DC-9-30V power source with 3-pin terminal block connector.
- Connect Serial Server to ones Ethernet network. Use a standard straight-through Ethernet cable.
- Connect Serial Server's serial port to a serial device; make sure the connector and wiring of RS-232 or RS-485 is correct.

Note： Buzzer will beep and the RUN LED will blink if Serial Server's functions normally.

4. Software Setup

4.1. Default Settings

Default IP address：

Interface	**Device IP**	**Subnet mask**	**Gateway IP**
Ethernet port	10.0.0.50.100	255.255.0.0	10.0.0.254

Default User Name/Password：

User Name	admin	**Password**	Null (leave it blank)

4.2. IP Assignment

4.2.1. Configure by SerialManager

Use SerialManager that comes with product CD to automatically search all serial Server that connected to ones local area network. Then select the desired Serial Server to configure the network setting individually. Please refer to Appendix in the product user manual for more details.

4.2.2. Configure by Web Server

Use Web browser to configure the network parameters of Serial Server. Please refer to contents of Appendix in the product user manual for more details.

- Make sure ones PC is located on the same network subnet as Serial Server
- Open web browser, then enter in the IP address (default IP：10.0.50.100) of Serial Server
- Serial Server's network, link mode and COM ports settings can be configured in web pages.
- Click "***Save Configuration***" and then Click "***Restart***" button to make the change effective.

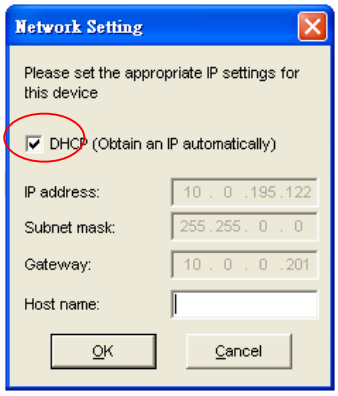
4.2.3. Configure by Telnet Utility

Use Telnet utility (ex. Microsoft Hyper terminal) to configure the network parameters of Serial Server.

- Telnet to Serial Server using command "**telnet IP_address**". Example：telnet 10.0.50.100.
- Network, COM port settings can be configured individually. The configuration shall be activated after saved settings and restart.

4.2.4. Auto IP with DHCP

A DHCP server can automatically assigns the IP address and network settings. Serial Server supports DHCP client function. By default, the DHCP client function on Serial Server is disabled; one may use SerialManager to activate this function. Please refer to the dialog window below.

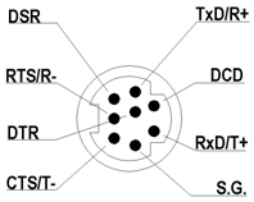


4.2.5. Configure by console mode

1. Set MODE switch SW1 to 'OFF' and SW2 to 'ON', then Power off GW51C-MAXI Serial Server
2. Use a PC to connect to GW51C-MAXI Serial Server's console with RS-232 cross over cable
3. Power on Serial Server, then Open terminal program from your computer and Set to **9600, 8, n, 1 without flow control** for console port communication.
4. The following configuration operations are totally the same as those configure by telnet.
5. After finishing console settings, power off GW51C-MAXI Serial Server, put SW1 and SW2 back to previous setting.

5. Pin Assignments

5.1. 8 pin Mini DIN connector -Atop provides Mini DIN connector to DB9 connector cable, the pin assignments is shown in the following table and RS-485 2 or 4 pins assignments of DB9 connector are different from those of Mini DIN connector.



Pin#	RS-232 Full Duplex	RS-485 2 wire, Half Duplex	RS-422/RS-485 4 wire, Full Duplex
1	DCD	N/A	N/A
2	RXD	N/A (reserved)	**TXD+**
3	TXD	**DATA+**	**RXD+**
4	DTR	N/A	N/A
5	SG (Signal Ground)	SG (Signal Ground)	SG (Signal Ground)
6	DSR	N/A	N/A
7	RTS	**DATA-**	**RXD-**
8	CTS	N/A (reserved)	**TXD-**
9	N/A	N/A	N/A

6. Customer Services and Supports

Contact your local dealers or ATOP Technical Support Center at the following numbers.

+886-3-550-8137 (ATOP Taiwan)

+86-21-6495-6232 (ATOP China)

Report the errors via Atop's Web site or E-mail account

www.atop.com.tw, service@atop.com.tw

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